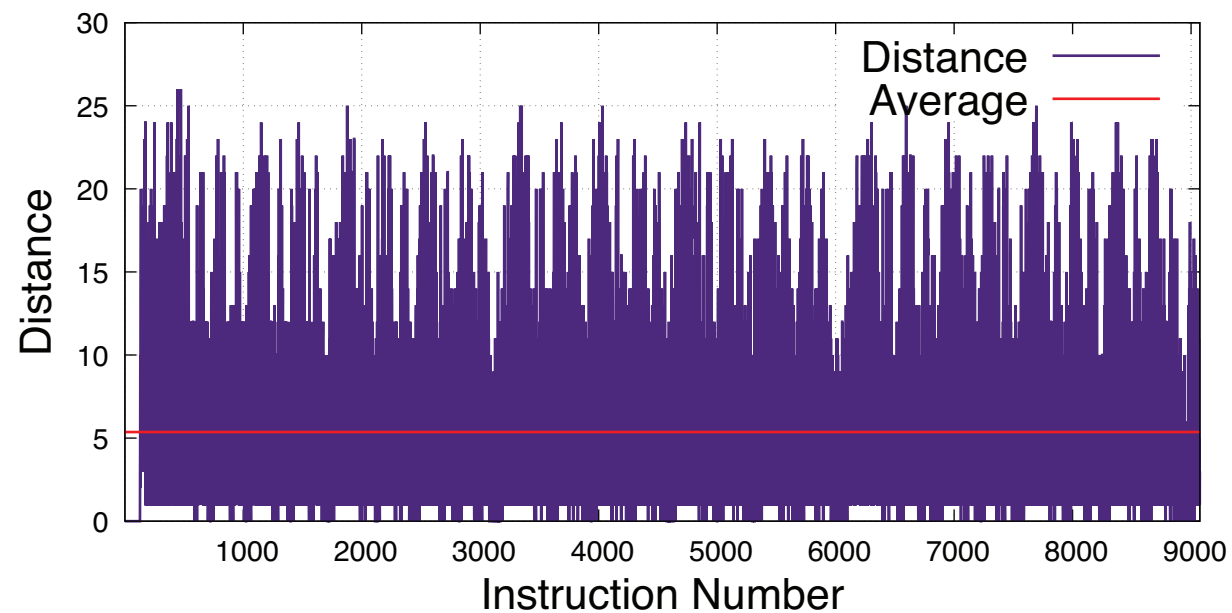not optimized in 3D

optimized in 3D